



VIDEO PRO X4

New features and detailed improvements of the new version

HIGHLIGHTS

- ✧ **Innovative timeline** with optimized object design
- ✧ **Hybrid Video Engine** with Intel® Quick Sync Video, CUDA and OpenCL
- ✧ **Hardware support** for Blackmagic Intensity/DeckLink
- ✧ **Extended format support** for ProRes, MVC and DnxHD
- ✧ **Dynamic timelapse function** with frame interpolation
- ✧ **3rd party plug-ins** by Red Giant, Digieffects and NewBlueFX



IMPORT

- ✧ **Improved codec and subformat compatibility with full support for:**
 - ✧ Apple ProRes
 - ✧ DnxHD
 - ✧ additional QuickTime codecs and H.264/MPEG-2 based subformats
- ✧ **Optimized import wizard for removable media (P2, CF etc.):**
 - ✧ Various performance optimizations
 - ✧ **Optical media** will display only if it's an AVCHD disc
 - ✧ **Find folder** is a preset if no camcorder is found
 - ✧ **Scanning** can be interrupted by pressing ESC
 - ✧ Thumbnails from AVCHD special folder are opened as **large icons** only during viewing
 - ✧ **Optimized color display** for improved recognition of individual recording sessions in large directories
 - ✧ Recordings on the camera can be **deleted manually**
 - ✧ New **status info** for camcorder disk capacity



PERFORMANCE

- ⤴ On average **up to 3 times faster AVCHD export** compared to previous version thanks to **Hybrid Video Engine** with full support for the following technologies:
 - ⤴ **NVIDIA® CUDA™**
 - ⤴ **AMD® OpenCL**
 - ⤴ **Intel® Quick Sync Video**
- ⤴ Improved preview rendering with automatic recognition of critical areas
- ⤴ Drastically **accelerated program processes**:
 - ⤴ Noticeably accelerated **program start**
 - ⤴ Accelerated **loading of projects** and **recording dialogs**
 - ⤴ Accelerated closing of **program settings** after changes and accelerated initiation of export processes in large projects
 - ⤴ Shorter reaction time of the **timeline play marker** when "Image size and position" effects section is open
 - ⤴ **Faster image generation in Media Pool** for large media directories
- ⤴ **Precise thumbnail depiction** in timeline objects
- ⤴ **Optimized background processing**: results in faster program reaction on marker movements, rewinds and editing operations on AVCHD material
- ⤴ **Optimized image stabilization for multicore CPUs**: Up to 11-times faster on Intel® compared to the previous version
- ⤴ **Multicore optimization** for image sharpness and feathering effects
- ⤴ Use of expanded memory on **64-bit systems** for GOP and bitmap caching
- ⤴ Calculation of **dynamic object effects on GPU** with activated anti-flicker effect
- ⤴ **Video effect rendering on GPU** (incl. special read back for NVIDIA® systems)
- ⤴ **Calculation of standard transition on GPU**
- ⤴ **Navigation with keyboard and external controllers such as Contour shuttle is more fluid**
- ⤴ **Improved performance** when working with large DV-AVI files

EDITING

- ⤴ **Full screen effect editing** for more precise effect control
- ⤴ **Dynamic speed ramps for video clips**
- ⤴ **Frame interpolation** for drastically smoother slow motions
- ⤴ **Improvements to the travel route animation**:
 - **Fully redesigned program layout** with improved usability
 - **Detailed optimizations**: waypoints, points of interest and much more
 - **New animated vehicles** and objects
- ⤴ Multicore optimized new **blur effect**
- ⤴ **Direct effect editing in the timeline** for multi-object selections
- ⤴ Improved integration of **Xara Designer Pro**
 - ⤴ **Transfer current video frame** directly into Xara Designer Pro: perfect for rotoscoping, creating custom masks, tracking and creating overlay vector graphics
 - ⤴ **Additional Menu structure** in the object context menu and the effects menu

STEREO3D SUPPORT

- ⤴ **Import function for MVC files**, e. g. for Sony TD-10 and JVC TD-1
- ⤴ **Export function for Multistream-AVCHD-Dateien (MVC)**
- ⤴ Improved **Perspectical Correction** in the Stereo3D alignment
- ⤴ **Configurable output for line-by-line interpolation**
- ⤴ **New output modes "over/under"** in order to take advantage of full resolution of devices with line-by-line interpolation
- ⤴ **Export for lens array images** (lenticular, or "wiggle" images)



- ⤴ Detailed improvements to the algorithm for **anaglyph Stereo3D exports** with perfectly natural skin tones
- ⤴ Improved **compatibility for MPO subformats** and import performance

IMPROVED USABILITY

- ⤴ **Fully redesigned timeline and objects**
 - ⤴ **New object design** with precise visualisation
 - ⤴ **Combined video and audio objects** to display video and audio material on the same track
 - ⤴ **Revised track headers** with separate controls for mute/visibility and volume/transparency
 - ⤴ Individually controllable **track height**
 - ⤴ One click function to **remove and restore video soundtrack**
- ⤴ **Zoomable thumbnails** in the media pool
- ⤴ **Easier adjustable program layout** with new cursor and larger area to grab and scale windows
- ⤴ **Direct preview function** for project content in the media pool
- ⤴ **Metadata** of AVCHD recordings and EXIF information can now be displayed in the object settings
- ⤴ Program settings for **FullHD video**
- ⤴ New presets for **movie settings and export processes with 24p material**.

EXPORT & DISC AUTHORIZING

- ⤴ Revised **burning options**: with optimized usability
- ⤴ More information displayed on export with **smart rendering**: for exact compatibility analysis
- ⤴ Direct upload functionality to the **MAGIX Video cloud**

HARDWARE

- ⤴ **Full support for Blackmagic Design hardware**:
 - ⤴ Compatible with: **Intensity Pro, Intensity Shuttle**
 - ⤴ **Real-time preview with hardware acceleration on external control monitors**

BONUS SOFTWARE

- ⤴ **Red Giant Magic Bullet Quick Looks**: fast color grading workflow
- ⤴ **digieffects Phenomena**: realistic and creative particle simulations
- ⤴ **NewBlueFX Light Blends** : video transitions with e. g. scanner, warp and light effects

CONTENT

- ⤴ **28 new backgrounds**: animated video loops and background images
- ⤴ **18 new animated disc menus**: for DVD, AVCHD and Blu-ray Disc
- ⤴ **New transition categories**: optimized layout and preview mode
- ⤴ **14 new video transitions**: including light leak effects, film burns and much more
- ⤴ **17 new animated captions**: extensive selection, broadcast ready
- ⤴ **15 new fonts**: with perfectly arranged title templates
- ⤴ **6 new movie templates**: perfect for image films, product videos and scientific studies